

# **Solid Waste and Sustainability Advisory Panel**

**Lansing Community College West Campus  
July 20, 2016**

# Agenda

- Introductions
- Background
- Draft Proposals
- Public Input



# Evolution of ~~Solid~~ ~~Waste~~ *Material* Management

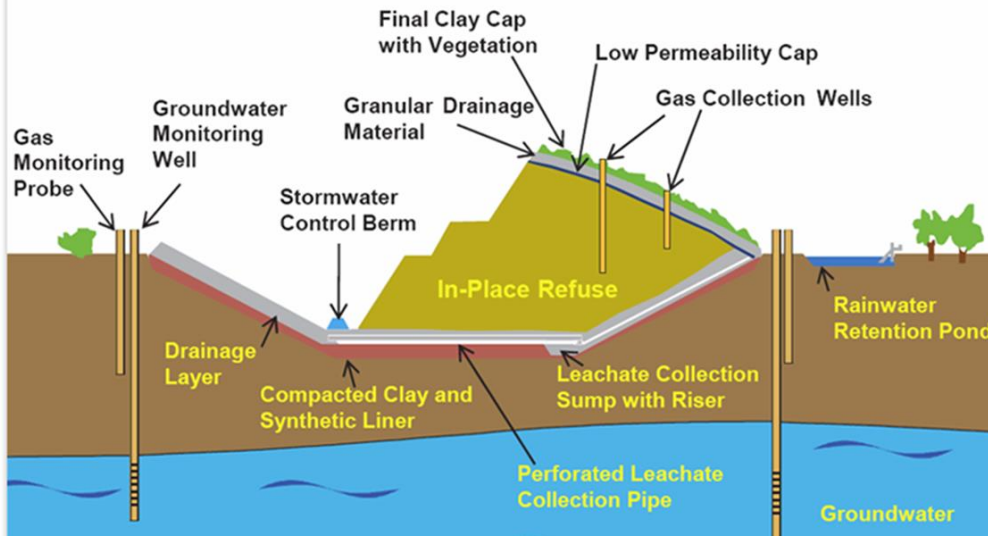


STATE OF MICHIGAN

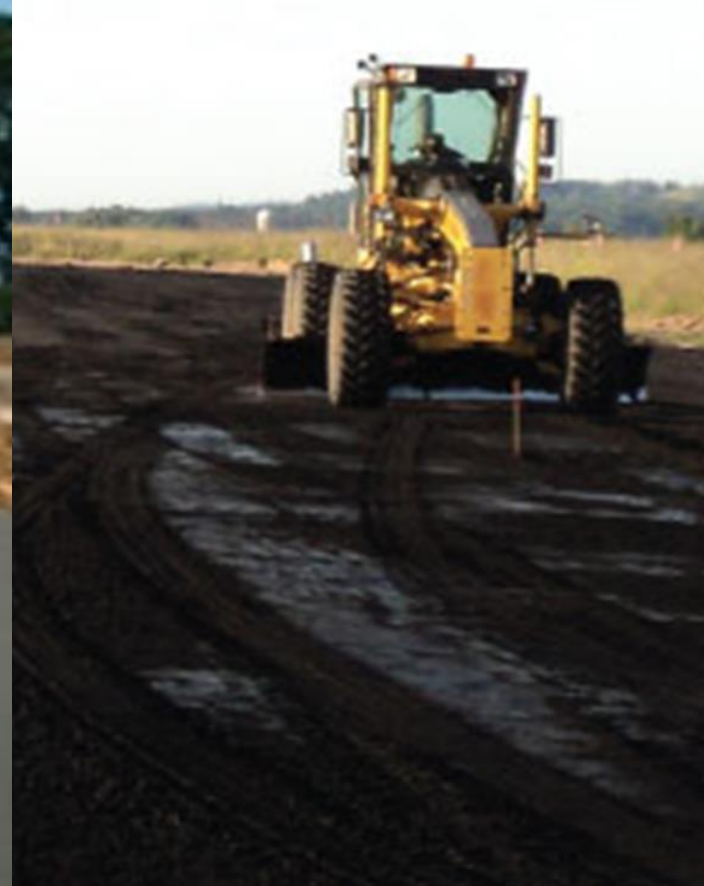


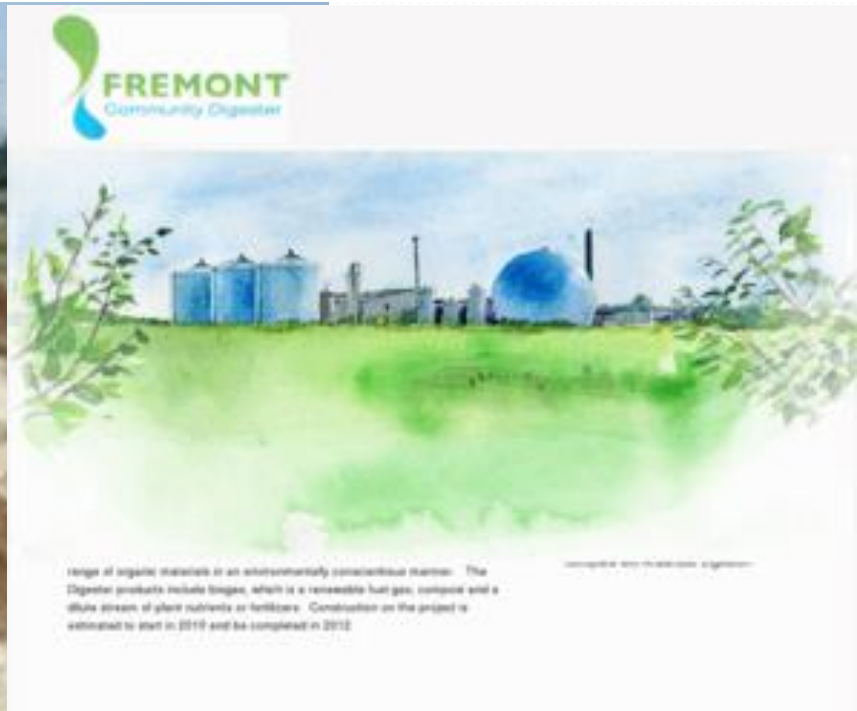
DEPARTMENT OF ENVIRONMENTAL QUALITY

## Typical Modern Sanitary Landfill Cross Section



“...Michigan noncaptive landfills have approximately 26 years of remaining disposal capacity...”







Michigan's goal  
recycling rate

30%



Michigan's estimated  
recycling rate

15%



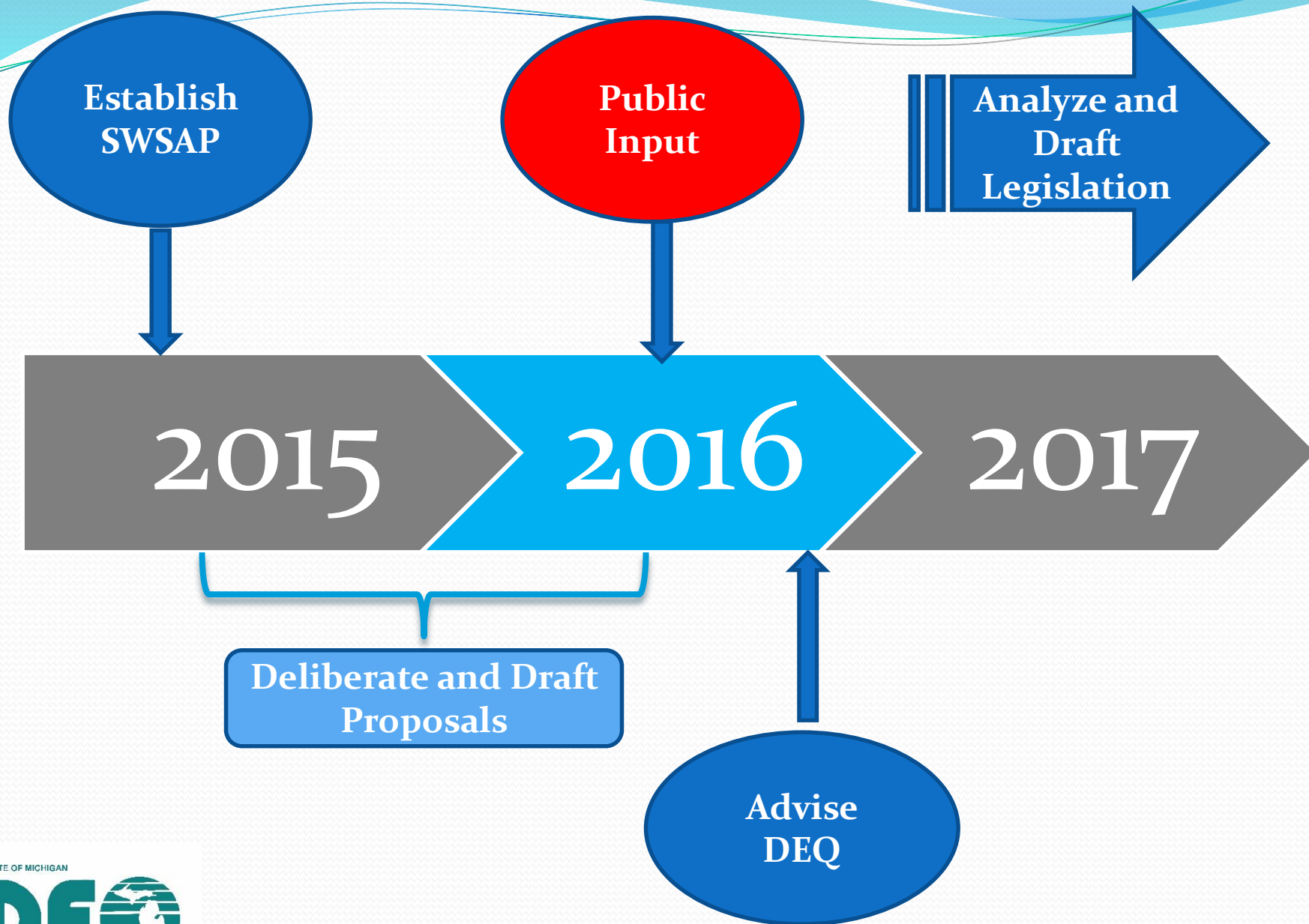
***Do we need to change our solid waste laws to accommodate the changing materials management landscape and promote our solid waste and sustainability goals?***

# Solid Waste and Sustainability Advisory Panel



# Roles

- SWSAP – advise DEQ
- Subcommittees – assist SWSAP
- DEQ – facilitate SWSAP



# Public Outreach

- Conference presentations
- GovDelivery e-mail
- Press release
- Association news
- Multiple media outlets
- Web



# DRAFT Proposals – *high level*

- Materials Management Planning
- Composting
- Postclosure
- TENORM
- Solid Waste Policy
- Authorizations
- Financial Assurance
- Coal Ash
- Funding
- Compliance and Enforcement

# 'No Changes'

- Appendix D
- Affirmed certain provisions



# Materials Management Planning

- Tighten process
- Focus on utilization
- Site utilization facilities
- Host community approval
- Reporting
- Promote regional planning

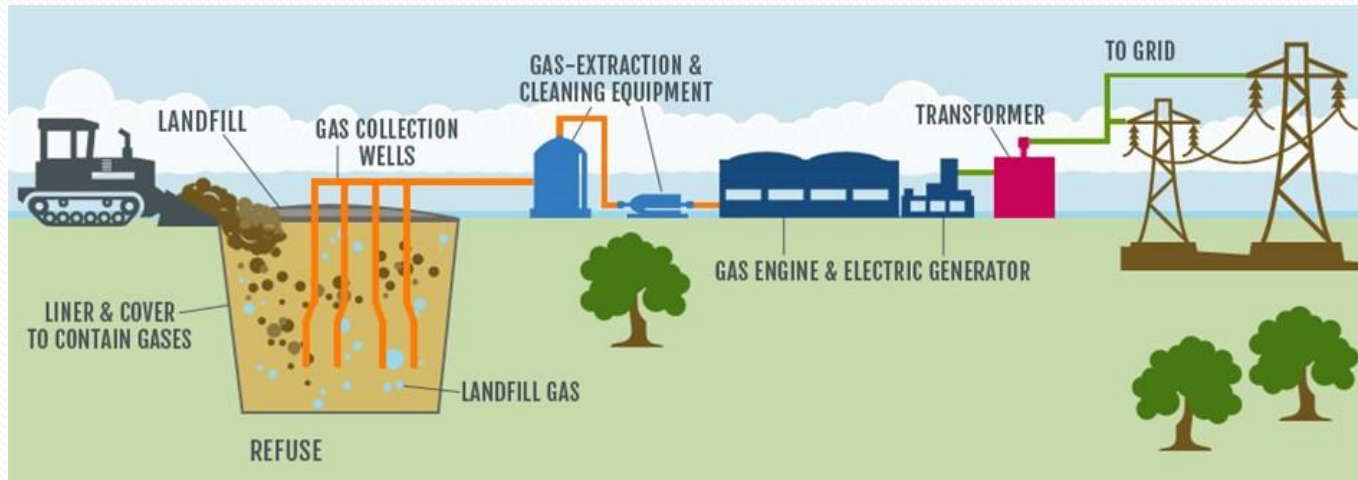


# Municipal and Commercial Waste Utilization

- General permit concept
- More inspections



# Organics Quandary





## Food Recovery Hierarchy

Most Preferred

### Source Reduction

Reduce the volume of surplus food generated

### Feed Hungry People

Donate extra food to food banks, soup kitchens and shelters

### Feed Animals

Divert food scraps to animal feed

### Industrial Uses

Provide waste oils for rendering and fuel conversion and food scraps for digestion to recover energy

### Composting

Create a nutrient-rich soil amendment

### Landfill/ Incineration

Last resort to disposal

Least Preferred

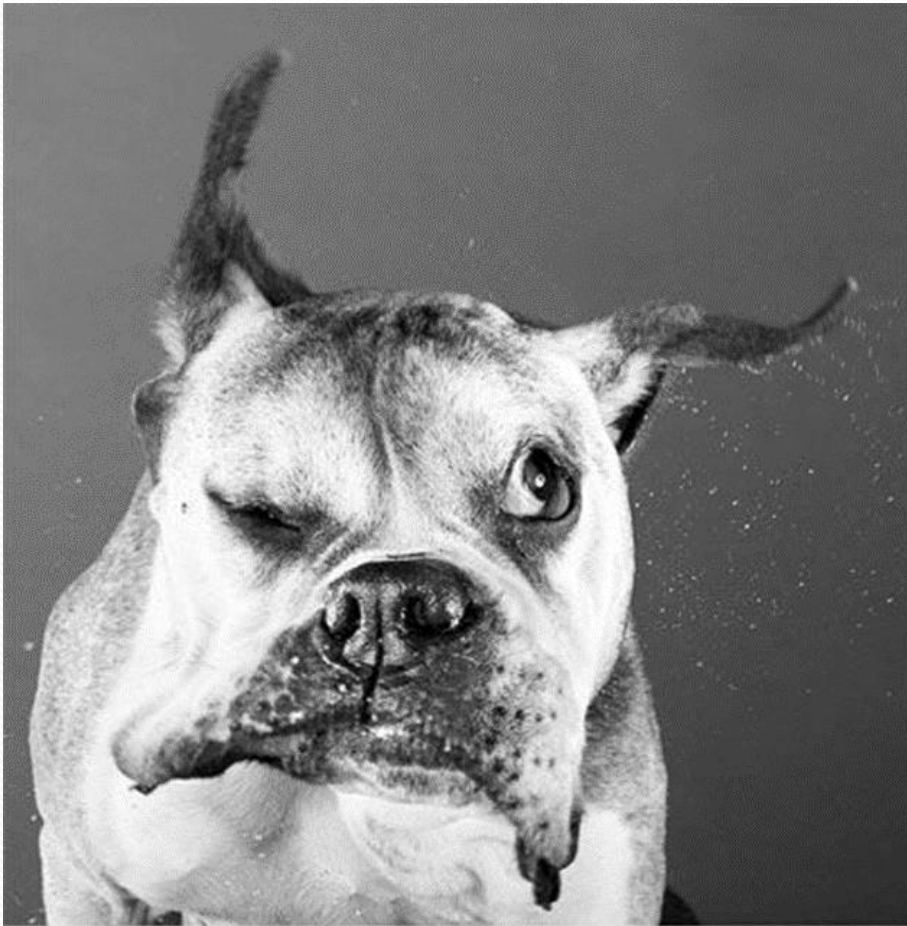


- Ecologic Integrity
- Economic Vitality
- Improved QOL

# Increase Financial Assurance

- Gas and leachate
- Equipment
- Onsite staff
- Utilities
- Industrial landfills





What  
happens  
after 30  
years of  
postclosure?

# Postclosure Ideas

- Extend (reduce) period
- Extend FA
- Due care
- Institutional controls
- Site registry



# Industrial Waste Sludges



- Dual regulation under Parts 115 and 121
- Authorize Type II landfill to solidify in operations plan.



# Coal Combustion Residuals

- New federal rule
- Do not amend state plan
- Do not amend Part 115
- Dual regulation is ok



# TENORM

- How to implement TDAP recommendations
- Amend Part 115 and rules?



# Funding

- Resource needs
  - Current program - DEQ
  - Future program – DEQ, regions, counties,...
- Funding sources
  - Current surcharge, permit and registration fees
  - Future options ?



# Next Steps

- Review comments
- Refine proposals
- Recommend to DEQ

# Most Helpful Public Input

- Focus on draft proposals
- General
- High level
- Written
- Deadline August 1, 2016
- link: [www.michigan.gov/deqswsap](http://www.michigan.gov/deqswsap)



# Thank You!